



# 2001 Toxics Release Inventory

## COLORADO

### Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	31,450,008
Air Emissions	3,629,554
Surface Water Discharges	3,752,564
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	41,889
Other On-site Land Releases	24,026,000
Off-site Releases (Transfers Off-site to Disposal)*	5,596,405
<b>Total On- and Off-site Releases</b>	<b>37,046,413</b>
Recycled On-site	24,177,383
Recycled Off-site	28,466,735
Energy Recovery On-site	1,949,019
Energy Recovery Off-site	3,849,371
Treated On-site	16,184,490
Treated Off-site**	2,786,980
Quantity Released On- and Off-site***	37,881,583
<b>Total Production-related Waste Managed</b>	<b>115,295,561</b>
<b>Non-production-related Waste Managed</b>	<b>187,376</b>
<b>Transfers Off-site for Further Waste Management, including Disposal</b>	
Recycling	28,438,125
Energy Recovery	3,844,939
Treatment	1,823,083
Publicly Owned Treatment Works (POTWs)	975,250
Metals and Metal Category Compounds*	2,526
Non-metal TRI Chemicals**	972,724
Other Off-site Transfers****	0
Transfers Off-site to Disposal (not including metals to POTWs)	6,463,932
<b>Total Transfers Off-site for Further Waste Management, including Disposal</b>	<b>41,545,329</b>

\* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact

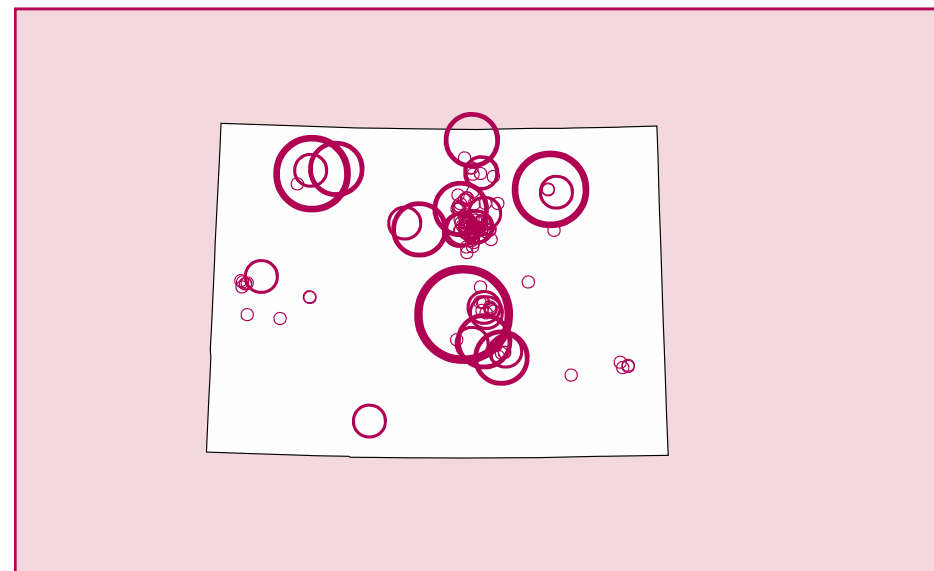
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#### EPA Regional Contact

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USEPA Region 8 (8P-P3T)  
999 18th Street, Suite 500  
Denver, CO 80202  
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#### To obtain TRI data use

assistance, call TRI User  
Support Service (TRI-US):  
(202) 566-0250  
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Colorado. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

#### State/TRI Data

Population	4,430,989
Square Miles	103,729
Total Facilities	231
Total Forms	757
Form As	123

	Total
<b>National Rank for Total On- and Off-site Releases*</b>	
Rank	34
Pounds	37,046,413
<b>National Rank for Total On-site Releases**</b>	
Rank	33
Pounds	31,450,008
<b>National Rank for Total Releases within State***</b>	
Rank	32
Pounds	37,401,602
<b>National Rank for Production-related Waste Managed</b>	
Rank	38
Pounds	115,295,561

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 2001 Toxics Release Inventory

## COLORADO

### On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Manganese compounds	9,108	42,555	0	11,013,025	469,387	11,534,075	93	439,387	42,000
—	Barium compounds	18,341	2,930	0	4,959,951	4,495,247	9,476,469	4,333	4,905,247	0
—	Lead compounds	6,026	287	0	3,841,329	98,407	3,946,048	1,053	85,931	21,077
—	Nitrate compounds	0	3,654,345	0	9,585	640	3,664,570	0	640	0
—	Zinc compounds	53,177	10,165	0	2,957,817	480,743	3,501,902	45	108,787	371,956

### On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	6,025.74	286.57	0.00	3,841,329.27	98,406.67	3,946,048.25	1,052.60	85,931.43	21,077.44
7439-92-1	Lead	26,811.52	0.00	0.00	51,828.90	15,711.94	94,352.37	4,159.30	10,721.65	9,567.57
—	Mercury compounds	417.39	1.87	0.00	1,601.52	683.40	2,704.18	14.64	683.40	0.00
7439-97-6	Mercury	403.11	0.00	0.00	308.80	2.60	714.51	0.30	50.60	2.30
—	Polycyclic aromatic compounds	332.49	5.60	0.00	0.00	18.24	356.33	50.10	2.10	16.14
191-24-2	Benzo(g,h,i)perylene	26.34	0.46	0.00	0.00	2.40	29.20	25.55	0.90	1.50
—	Dioxin and dioxin-like compounds	0.01	0.00	0.00	0.00	0.02	0.03	0.00	0.02	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>5.811</i>	<i>0.074</i>	<i>0.000</i>	<i>0.000</i>	<i>6.923</i>	<i>12.808</i>	<i>0.000</i>	<i>6.923</i>	<i>0.000</i>
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608-93-5	Pentachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
1336-36-3	Polychlorinated biphenyls (PCBs)	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\*\* No reports were submitted for these chemicals.

\*\* The chemical ranking is based on the amounts in this column.



# 2001 Toxics Release Inventory

## COLORADO

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Cripple Creek & Victor Gold Mining Co., Victor, Teller	5,593	0	0	0	0	16,860,416	16,866,009	0	0
Excel Corp., Fort Morgan, Morgan	2,200	3,140,859	0	0	0	0	3,143,059	533	0
Trapper Mining Inc., Craig, Moffat	323	145	0	0	0	2,404,624	2,405,092	0	0
Ray D. Nixon Power Plant, Fountain, El Paso	71,824	0	0	0	0	947,317	1,019,141	500	0
Rawhide Energy Station, Wellington, Larimer	20,831	0	0	0	0	775,981	796,812	0	0
Climax Molybdenum Co. Henderson Mine, Empire, Clear Creek	29	15,138	0	0	0	585,020	600,186	0	0
Public Service Co. of Colorado Comanche Station, Pueblo, Pueblo	45,605	1,800	0	0	0	524,707	572,112	243,875	2
Public Service Co. of Colorado Hayden Station, Hayden, Routt	4,006	0	0	0	0	529,556	533,562	0	4
Public Service Co. of Colorado Valmont Station, Boulder, Boulder	169,954	0	0	0	0	325,164	495,118	0	0
Kodak Colorado Div., Windsor, Weld	55,183	341,993	0	0	0	253	397,429	0	0

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County**	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Cripple Creek & Victor Gold Mining Co., Victor, Teller	226.40	0.00	0.00	0.00	0.00	3,461,110.00	3,461,336.40	0.00	0.00
Climax Molybdenum Co. Henderson Mill, Parshall, Grand	31.70	0.00	0.00	0.00	0.00	274,000.00	274,031.70	0.00	0.00
U.S. Army Fort Carson Range Facility, Fort Carson, El Paso	905.00	0.00	0.00	0.00	0.00	50,583.00	51,488.00	0.00	0.00
Trapper Mining Inc., Craig, Moffat	3.00	21.00	0.00	0.00	0.00	30,133.00	30,157.00	0.00	0.00
Safety-Kleen (Deer Trail) Inc., Deer Trail, Adams	107.40	0.00	0.00	0.00	18,137.20	0.00	18,244.60	0.00	0.20
Public Service Co. of Colorado Hayden Station, Hayden, Routt	82.60	0.00	0.00	0.00	0.00	14,556.00	14,638.60	0.00	4.00
Ray D. Nixon Power Plant, Fountain, El Paso	28.70	0.00	0.00	0.00	0.00	13,152.10	13,180.80	0.00	0.00
ASARCO Inc. Globe Plant, Denver, Denver	52.00	0.00	0.00	0.00	0.00	7,045.00	7,097.00	2,433.00	4.00
Public Service Co. of Colorado Cameo Station, Palisade, Mesa	32.30	0.00	0.00	0.00	0.00	6,294.00	6,326.30	0.00	0.00
Public Service Co. of Colorado Valmont Station, Boulder, Boulder	25.20	0.00	0.00	0.00	0.00	5,164.00	5,189.20	0.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

\*\* One facility, Colorado Refining Co. in Commerce City, reported the amount of 25,494 pounds of air emissions for lead in error. The correct amount is 9 pounds. This facility has been omitted from this list, but the correction was received too late to be included in the other tables in this report.



# 2001 Toxics Release Inventory

## COLORADO

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Cripple Creek & Victor Gold Mining Co., Victor, Teller	0	6	0	0	0	0	16,865,265	16,865,271	0
Excel Corp., Fort Morgan, Morgan	0	0	0	0	2,662,789	0	3,143,592	5,806,381	0
Tri-State Generation & Transmission - Craig Station, Craig, Moffat	0	2	0	0	1,682,601	0	2,593,051	4,275,654	0
Trapper Mining Inc., Craig, Moffat	0	0	0	0	0	0	2,406,107	2,406,107	0
Public Service Co. of Colorado Cherokee Station, Denver, Adams	0	0	0	0	560,000	0	1,640,544	2,200,544	0
Public Service Co. of Colorado Pawnee Station, Brush, Morgan	0	0	0	0	0	0	1,129,331	1,129,331	0
Ray D. Nixon Power Plant, Fountain, El Paso	0	0	0	0	86,000	0	1,018,180	1,104,180	0
Public Service Co. of Colorado Comanche Station, Pueblo, Pueblo	0	0	0	0	176,000	0	811,959	987,959	0
Rawhide Energy Station, Wellington, Larimer	0	0	0	0	366,517	2	796,813	1,163,332	0
Martin Drake Power Plant, Colorado Springs, El Paso	0	0	0	0	161,000	0	599,395	760,395	0

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County**	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Cripple Creek & Victor Gold Mining Co., Victor, Teller	0.00	6.00	0.00	0.00	0.00	0.00	3,461,140.00	3,461,146.00	0.00
Climax Molybdenum Co. Henderson Mill, Parshall, Grand	0.00	0.00	0.00	0.00	0.00	0.00	274,000.00	274,000.00	0.00
U.S. Army Fort Carson Range Facility, Fort Carson, El Paso	0.00	0.00	0.00	0.00	0.00	0.00	51,488.00	51,488.00	0.00
Sanmina-SCI Corp. Plant 432, Fountain, El Paso	0.00	12,094.00	0.00	0.00	0.00	0.00	37,400.00	49,494.00	0.00
Trapper Mining Inc., Craig, Moffat	0.00	0.00	0.00	0.00	0.00	0.00	31,107.00	31,107.00	0.00
Tri-State Generation & Transmission - Craig Station, Craig, Moffat	0.00	2.00	0.00	0.00	135,601.00	0.00	30,982.00	166,585.00	0.00
CF&I Steel L.P. (Db a Rocky Mountain Steel Mills), Pueblo, Pueblo	0.00	310,033.00	0.00	0.00	0.00	0.00	25,340.00	335,373.00	0.00
Public Service Co. of Colorado Cherokee Station, Denver, Adams	0.00	0.00	0.00	0.00	0.00	0.00	23,544.00	23,544.00	0.00
Safety-Kleen (Deer Trail) Inc., Deer Trail, Adams	0.00	0.00	0.00	0.00	0.00	0.00	18,245.00	18,245.00	0.00
Public Service Co. of Colorado Hayden Station, Hayden, Routt	0.00	0.00	0.00	0.00	0.00	0.00	14,641.00	14,641.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

\*\* One facility, Colorado Refining Co. in Commerce City, reported the amount of 25,494 pounds for quantity released on- and off-site for lead in error. The correct amount is 9 pounds. This facility has been omitted from this list, but the correction was received too late to be included in the other tables in this report.